

**THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:-**

1. A method of determining the cardiac output of a patient, the method comprising the steps of:
  - (a) measuring the patients height;
  - 5 (b) measuring the velocity time integral or stroke distance of blood flowing from the heart of the patient; and
  - (c) utilising the two measurement in step (a) and step (b) to determine the cardiac output of the patient.
2. A method as claimed in claim 1 further comprising the step of measuring the  
10 correlation between the patient's height and cross sectional area of a cardiac valve of a population of individuals and utilising the correlation in step (c) to determine the cardiac output of the patient.
3. A method as claimed in claim 2 wherein said population is selected having similar body characteristics to said patient.
- 15 4. A method as claimed in claim 1 wherein said method is utilised to determine the output from either the aortic annular or the pulmonary annular.
5. A method as claimed in claim 1 wherein said step of utilising comprises utilising the formula substantially of the form:
$$\text{aortic annular diameter} = 0.010 \times \text{height (cms)} + 0.25\text{cm}$$
  
20 to determine the diameter of the aortic annular and then determining a cross sectional.
6. A method as claimed in claim 1 wherein said step of utilising comprises utilising the formula substantially of the form:

$$\text{aortic annular diameter} = 0.010 \times \text{height (cms)} + 0.25\text{cm}$$

to determine the diameter of the aortic annular and then determining a cross sectional area.

7. A method as claimed in claim 1 wherein said step of utilising comprises utilising  
5 the formula substantially of the form:

$$\text{pulmonary annular diameter} = 0.0106 \times \text{height (cms)} + 0.265\text{cm}$$

to determine the diameter of the pulmonary valve and then determining a cross sectional area.

8. A method of determining the cardiac output of a patient substantially as  
10 hereinbefore described with reference to the accompanying drawings.